

# Reminder

Thanks for purchasing the product. The manual should be in safekeeping and must be fully understood prior to any usage. The user manual is not a quality certificate. It has some typographical errors. It does not refer to improvements to the product. The reprinted user manual will include the revised version without any prior notice.

## ① Package contents

One power meter. One piece of the user manual.

## ② Product introduction

- HLP - 200B is a hand-held power meter, especially designed to measure super low power CO2 laser tube. It is small, portable, and uses an internal button battery. It is also convenient to use, easy to read, and has high accuracy.

Product name: Hand-held power meter

Model: HLP-200B

Measuring scope: 0-200W

Aligned wavelength: 10.6

Battery: 3v/3.6v 2032 button battery

## ③ Upgraded functions

- HLP-200B is the upgrade version of HLP-200. It still maintains the feature of super low power consumption with an improved way of working. It stands by as soon as it turns on, and begins measuring power when the laser is emitted to the sensor.

- To achieve better accuracy, this upgrade version has a smaller sensor area.
- Another screw hole (M4) is added so that the power meter can be attached to a holder that further decreases the deviation due to crooked positions while in operation.

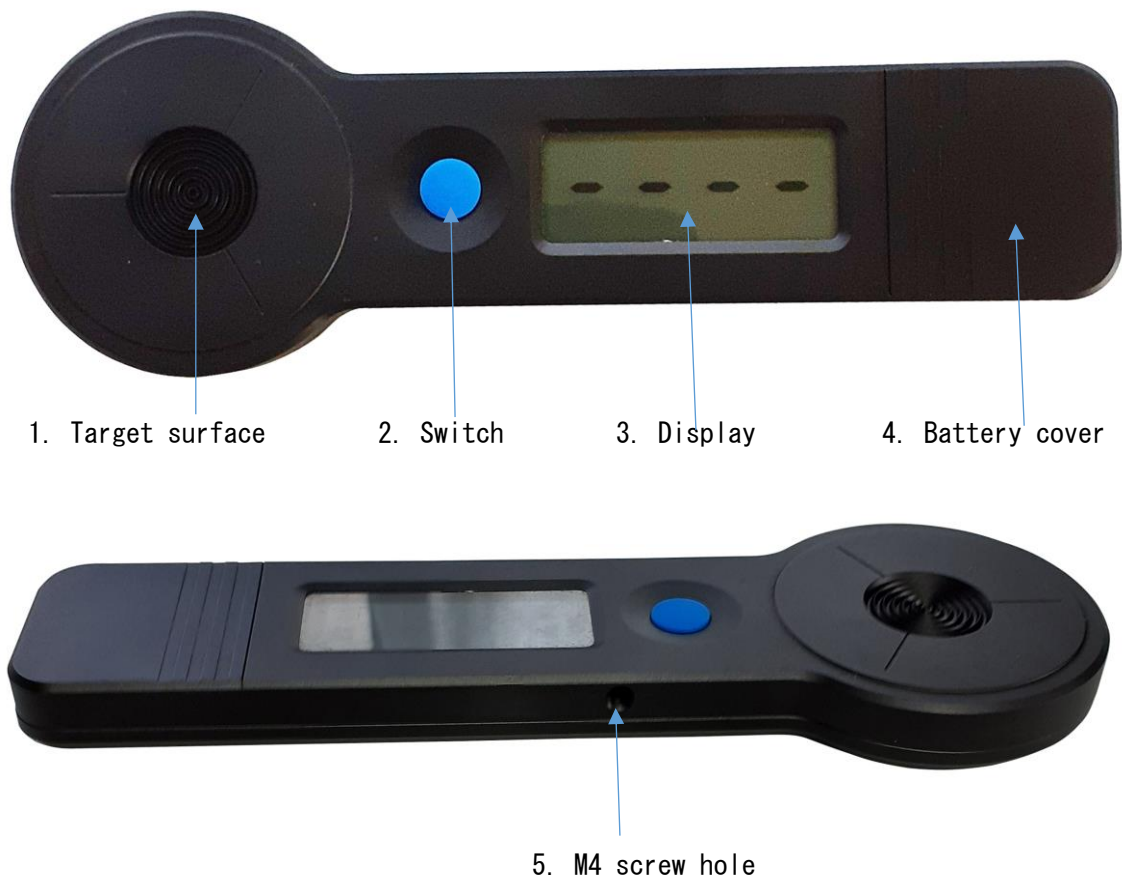
- To make the replacement of battery more convenient, the way of opening the battery cover has changed. So users can replace the battery without any tools.

- Status instruction codes are added:

“----” blinks represent the power meter is standing by.

“HOT” shows the power meter is over heated.

“Err” means the measured power is beyond the measuring scope of the meter.



#### ④ Operation instructions

- Press the blue button to turn the power meter on and the screen shows “----” with a beep. Three seconds later, the screen starts blinking “----”, which means the power meter is in a standby mode. Within three seconds after turning it on, laser should be emitted for six seconds continuously. Ensure the measured laser is emitted to the center of the sensor. The power meter will begin measuring when the sensor receives laser. When the “----” stops blinking on the screen with a beep, the measurement has started.
- By the end of the measurement, the screen shows the measured power with a beep. It stays for six seconds. The equipment will shut down with another beep.
- When the screen shows “HOT” with a beep, the sensor is over heated. It is required to cool down prior to another measurement.
- When the screen shows “Err” with a beep, the measured power is beyond the measuring scope of this power meter.
- Use just fingers to remove the battery cover to change batteries.

⑤ Reminder

- Handle with great care in case you damage the precision equipment.
- Ensure the laser is emitted to the center of the sensor!
- It is suggested to cool the power meter down to the ambient temperature each time if you repeat measurements.

⑥ After-sales service

**The product comes with one year warranty with lifetime maintenance. The warranty will be invalid under situations below.**

- Out of the warranty period.
- Force majeure.
- Failures or damage due to unauthorized uninstallations, modifications, or repairs.